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	Application No.	Applicant(s)	
	10/690,843	NATSUME ET AL.	
Notice of Allowability	Examiner	Art Unit	
	Bemarr E. Gregory	3662	
- The MAILING DATE of this communication appeal All claims being allowable, PROSECUTION ON THE MERITS IS (0 nerewith (or previously mailed), a Notice of Allowance (PTOL-85) of NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIG of the Office or upon petition by the applicant. See 37 CFR 1.313 a	OR REMAINS) CLOSED II or other appropriate commit on This application is a and MPEP 1308.	n this application. If not included unication will be mailed in due course. THIS	; tive
. A This communication is responsive to the Amendment received	ed 29 June 2004.		
2. ☑ The allowed claim(s) is/are <u>1-17</u> .			
<ol> <li>The drawings filed on <u>05 February 2004</u> are accepted by the</li> </ol>	e Examiner.	•	
<ol> <li>Acknowledgment is made of a claim for foreign priority und</li> <li>a)</li></ol>		or (f).	
2. Certified copies of the priority documents have t	been received in Application	on No	
3. Copies of the certified copies of the priority doca	uments have been receive	d in this national stage application from the	
International Bureau (PCT Rule 17.2(a)).			
Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" or noted below. Failure to timely comply will result in ABANDONME THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	f this communication to file ENT of this application.	e a reply complying with the requirements	
5. A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which gives	ted. Note the attached EX s reason(s) why the oath o	AMINER'S AMENDMENT or NOTICE OF r declaration is deficient.	
6. CORRECTED DRAWINGS (as "replacement sheets") must	be submitted.		
(a) ☐ Including changes required by the Notice of Draftsperso	on's Patent Drawing Revie	w ( PTO-948) attached	
1)  hereto or 2)  to Paper No./Mail Date			
(b) including changes required by the attached Examiner's Paper No./Mail Date			
identifying indicia such as the application number (see 37 CFR 1.1 each sheet. Replacement sheet(s) should be labeled as such in the	B4(c)) should be written on the header according to 37 C	the drawings in the front (not the back) of FR 1.121(d).	
<ol> <li>DEPOSIT OF and/or INFORMATION about the depose attached Examiner's comment regarding REQUIREMENT F</li> </ol>	it of BIOLOGICAL MAT	ERIAL must be submitted. Note the	
	•		
Attachment(s)	E [] Nation of i	nformal Patent Application (PTO-152)	
1. Notice of References Cited (PTO-892)	<del>-</del>	Summary (PTO-413),	
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	Paper No	/Mail Date	•
<ol> <li>Information Disclosure Statements (PTO-1449 or PTO/SB/08)</li> <li>Paper No./Mail Date</li> </ol>	•	s Amendment/Comment	
4. Examiner's Comment Regarding Requirement for Deposit	<u>=</u>	s Statement of Reasons for Allowance	_
of Biological Material	9. [] Other	Bernarr E. Gregory Primary Examiner Art Unit 3662 Tel.: (703) 306-5765	_

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1. The following is an examiner's statement of reasons for allowance:

None of the prior art of record either taken alone or taken in any possible combination would anticipate or would tend to render obvious Applicants' claimed method as set forth in independent claim 1 that is particularly characterized at least by the claimed method steps of "frequency modulating a radar wave signal ... the predetermined constant time" and "mixing the frequency-modulated radar wave signal transmitted from the reference object ... that of the reflection signal" taken together and taken in the overall context of independent claim 1.

Dependent claims 2-6 are allowable for at least the reasons for which claim 1 is allowable.

None of the prior art of record either taken alone or taken in any possible combination would anticipate or would tend to render obvious Applicants' claimed method as set forth in independent claim 7 that is particularly characterized at least by the claimed method steps of "first mixing the frequency-modulated first radar wave signal ..."; "first sweeping the first beat signal ..."; "second frequency-modulating a second radar wave signal ..."; and "second mixing the frequency-modulated second radar wave signal ..." taken together and taken in the overall context of independent claim 7.

Dependent claim 8 is allowable for at least the reasons for which claim 7 is allowable.

None of the prior art of record either taken alone or taken in any possible combination would anticipate or would tend to render obvious Applicants' claimed

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apparatus as set forth in independent claim 9 that is particularly characterized at least by the claimed "frequency-modulating unit ... predetermined constant time" and "sweeping unit configured to ... component of the beat signal" taken together and taken in the overall context of independent claim 9.

Dependent claims 10-14 are allowable for at least the reasons for which claim 9 is allowable.

None of the prior art of record either taken alone or taken in any possible combination would anticipate or would tend to render obvious Applicants' claimed apparatus as set forth in independent claim 15 that is particularly characterized at least by the claimed "first mixing unit configured to ..."; "first sweeping unit ..."; "second frequency-modulating unit ..."; and "second mixing unit ..." taken together and taken in the overall context of independent claim 15.

Dependent claim 16 is allowable for at least the reasons for which claim 15 is allowable.

None of the prior art of record either taken alone or taken in any possible combination would anticipate or would tend to render obvious Applicants' claimed computer program product as set forth in independent claim 17 that is particularly characterized at least by the claimed "means for causing the signal processing unit to control ..."; "means for causing the signal processing unit to sweep the beat signal ..."; and "means for causing the signal processing unit to obtain the prediction distance based on ..." taken together and taken in the overall context of independent claim 17.

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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Bernarr E. Gregory whose telephone number is (703) 306-5765. The examiner can normally be reached on weekdays from 7:30 AM to 4:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas H. Tarcza, can be reached on (703) 306-4171. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

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you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

Bernarr E. Gregory Primary Examiner Art Unit 3662